big data and cognitive computing

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Artificial Intelligence and Multi-Agent Systems for Big Data

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Message from the Guest Editors

Dear Colleagues,

With the development of single-agent technology in various fields such as defense, logistics, surveillance, and social services, the interest and research on multi-agent systems (MASs or "self-organized system") are being concentrated in recent years. An MAS is a computerized system composed of multiple interacting intelligent agents. MASs can solve problems that are difficult or impossible for a single agent or a monolithic system to solve.

The evolution of research in Artificial Intelligence (AI) and Big Data in recent years challenges almost all domains of human activity. The potential of AI to act as a catalyst for all given business models, and the capacity of Big Data research to provide sophisticated data and services ecosystems at a global scale, provide a challenging context for scientific contributions and applied research.

In this Special Issue, we would like to include outstanding studies for aforementioned topics such as original research articles or comprehensive review papers.